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By: Kathleen K. Muto Printed: Nancy Ramos-KATHLEEN MUTO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Michael G. Walker, Wayne Volkmuth, Tod M. Klingler  
Title: POLYNUCLEOTIDES COEXPRESSED WITH MATRIX-REMODELING GENES

Serial No.:	To Be Assigned	Filed:	Herewith
Examiner:	To Be Assigned	Group Art Unit:	To Be Assigned

Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

SUBMISSION UNDER 37 CFR §1.821- 1.825 SEQUENCE LISTING

Sir:

In accordance with the requirements of 37 CFR §1.821- 1.825, Applicants hereby submit one (1) diskette containing the computer-readable information for the "Sequence Listing" of the above-identified application. The diskette complies with the requirements of 37 CFR §1.824 and is IBM PC compatible using a UNIX operating system with PERL Program.

Accompanying the application is the paper copy of the Sequence Listing as disclosed in the application.

The content of the "Sequence Listing" paper copy is identical to the computer readable copy, as required under 37 CFR § 1.821(f).

Respectfully submitted,

INCYTE GENOMICS, INC.

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PB-0004 CIP

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Volkmuth, Wayne  
Klingler, Tod M.

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PB-0004 CIP

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PB-0004 CIP

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PB-0004 CIP

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PB-0004 CIP

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PB-0004 CIP

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PB-0004 CIP

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PB-0004 CIP

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PB-0004 CIP

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<220> -

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<213> Homo sapiens
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<400>	23														
Met	Arg	Pro	Leu	Cys	Val	Thr	Cys	Trp	Trp	Leu	Gly	Leu	Leu	Ala	
1				5					10					15	
Ala	Met	Gly	Ala	Val	Ala	Gly	Gln	Glu	Asp	Gly	Phe	Glu	Gly	Thr	
				20					25					30	
Glu	Glu	Gly	Ser	Pro	Arg	Glu	Phe	Ile	Tyr	Leu	Asn	Arg	Tyr	Lys	
				35					40					45	
Arg	Ala	Gly	Glu	Ser	Gln	Asp	Lys	Cys	Thr	Tyr	Thr	Phe	Ile	Val	
				50					55					60	
Pro	Gln	Gln	Arg	Val	Thr	Gly	Ala	Ile	Cys	Val	Asn	Ser	Lys	Glu	
				65					70					75	
Pro	Glu	Val	Leu	Leu	Glu	Asn	Arg	Val	His	Lys	Gln	Glu	Leu	Glu	
				80					85					90	
Leu	Leu	Asn	Asn	Glu	Leu	Leu	Lys	Gln	Lys	Arg	Gln	Ile	Glu	Thr	
				95					100					105	
Leu	Gln	Gln	Leu	Val	Glu	Val	Asp	Gly	Gly	Ile	Val	Ser	Glu	Val	
				110					115					120	
Lys	Leu	Leu	Arg	Lys	Glu	Ser	Arg	Asn	Met	Asn	Ser	Arg	Val	Thr	
				125					130					135	
Gln	Leu	Tyr	Met	Gln	Leu	Leu	His	Glu	Ile	Ile	Arg	Lys	Arg	Asp	
				140					145					150	
Asn	Ala	Leu	Glu	Leu	Ser	Gln	Leu	Glu	Asn	Arg	Ile	Leu	Asn	Gln	
				155					160					165	
Thr	Ala	Asp	Met	Leu	Gln	Leu	Ala	Ser	Lys	Tyr	Lys	Asp	Leu	Glu	
				170					175					180	
His	Lys	Tyr	Gln	His	Leu	Ala	Thr	Leu	Ala	His	Asn	Gln	Ser	Glu	
				185					190					195	
Ile	Ile	Ala	Gln	Leu	Glu	Glu	His	Cys	Gln	Arg	Val	Pro	Ser	Ala	
				200					205					210	
Arg	Pro	Val	Pro	Gln	Pro	Pro	Pro	Ala	Ala	Pro	Pro	Arg	Val	Tyr	
				215					220					225	
Gln	Pro	Pro	Thr	Tyr	Asn	Arg	Ile	Ile	Asn	Gln	Ile	Ser	Thr	Asn	
				230					235					240	



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Glu	Ile	Gln	Ser	Asp	Gln	Asn	Leu	Lys	Val	Leu	Pro	Pro	Pro	Leu	
				245					250					255	
Pro	Thr	Met	Pro	Thr	Leu	Thr	Ser	Leu	Pro	Ser	Ser	Thr	Asp	Lys	
				260					265					270	
Pro	Ser	Gly	Pro	Trp	Arg	Asp	Cys	Leu	Gln	Ala	Leu	Glu	Asp	Gly	
				275					280					285	
His	Asp	Thr	Ser	Ser	Ile	Tyr	Leu	Val	Lys	Pro	Glu	Asn	Thr	Asn	
				290					295					300	
Arg	Leu	Met	Gln	Val	Trp	Cys	Asp	Gln	Arg	His	Asp	Pro	Gly	Gly	
				305					310					315	
Trp	Thr	Val	Ile	Gln	Arg	Arg	Leu	Asp	Gly	Ser	Val	Asn	Phe	Phe	
				320					325					330	
Arg	Asn	Trp	Glu	Thr	Tyr	Lys	Gln	Gly	Phe	Gly	Asn	Ile	Asp	Gly	
				335					340					345	
Glu	Tyr	Trp	Leu	Gly	Leu	Glu	Asn	Ile	Tyr	Trp	Leu	Thr	Asn	Gln	
				350					355					360	
Gly	Asn	Tyr	Lys	Leu	Leu	Val	Thr	Met	Glu	Asp	Trp	Ser	Gly	Arg	
				365					370					375	
Lys	Val	Phe	Ala	Glu	Tyr	Ala	Ser	Phe	Arg	Leu	Glu	Pro	Glu	Ser	
				380					385					390	
Glu	Tyr	Tyr	Lys	Leu	Arg	Leu	Gly	Arg	Tyr	His	Gly	Asn	Ala	Gly	
				395					400					405	
Asp	Ser	Phe	Thr	Trp	His	Asn	Gly	Lys	Gln	Phe	Thr	Thr	Leu	Asp	
				410					415					420	
Arg	Asp	His	Asp	Val	Tyr	Thr	Gly	Asn	Cys	Ala	His	Tyr	Gln	Lys	
				425					430					435	
Gly	Gly	Trp	Trp	Tyr	Asn	Ala	Cys	Ala	His	Ser	Asn	Leu	Asn	Gly	
				440					445					450	
Val	Trp	Tyr	Arg	Gly	Gly	His	Tyr	Arg	Ser	Arg	Tyr	Gln	Asp	Gly	
				455					460					465	
Val	Tyr	Trp	Ala	Glu	Phe	Arg	Gly	Gly	Ser	Tyr	Ser	Leu	Lys	Lys	
				470					475					480	
Val	Val	Met	Met	Ile	Arg	Pro	Asn	Pro	Asn	Thr	Phe	His			
				485					490						